

CLAIM SET AS AMENDED

Claims 1-19 (Canceled)

20. (Previously Presented) An apparatus for providing a substrate with viscous medium, comprising:

application means for applying the viscous medium onto the substrate at a plurality of locations;

inspection means for inspecting the results of said application at more than one of the plurality of locations after completion of the application at the plurality of locations;

processing means for determining application errors based on said inspection, estimating the time required for performing corrective action for each of the determined errors and calculating the overall time required for corrective action of all determined errors; and

correction means for correcting at least some of said errors.

21. (Original) The apparatus according to claim 20, wherein the processing means comprises evaluating means for evaluating each of the determined errors and deciding to what extent the determined errors shall be corrected.

22. (Original) The apparatus according to claim 20 or 21, wherein said correction means comprises jetting means for jetting of additional viscous medium onto the substrate and/or removing means for removing surplus viscous medium from the substrate.

23. (Original) The apparatus according to claim 20, wherein said application means is a jetting means.

24. (Previously Presented) The apparatus according to claim 22, wherein said application means is a jetting means and wherein said application means and said jetting means for jetting of additional viscous medium is the same jetting means.

25. (Original) The apparatus according to claim 20, wherein said application means is a screen printing means.

26. (Original) The apparatus according to claim 20, wherein said application means is a contact dispensing means.

27-31 (Canceled)

32. (Previously Presented) An apparatus for providing a substrate with viscous medium, comprising:

an applicator, said applicator applying the viscous medium onto the substrate at a plurality of locations;

an inspection device, said inspection device inspecting the results of said application at more than one of the plurality of locations after completion of the application at the plurality of locations;

a processor, said processor determining application errors based on said inspection, estimating the time required for performing corrective action for each of the determined errors and calculating the overall time required for corrective action of all determined errors; and

a correction device, said correction device correcting at least some of said errors.

33. (Original) The apparatus according to claim 32, wherein the processor is arranged for evaluating each of the determined errors and deciding to what extent the determined errors shall be corrected.

34. (Original) The apparatus according to claim 32, wherein said correction device comprises a jetting device for jetting of additional viscous medium onto the substrate.

35. (Original) The apparatus according to claim 32 or 33, wherein said correction device comprises a removing device for removing surplus viscous medium from the substrate.

36. (Original) The apparatus according to claim 32, wherein said applicator is a jetting device.

37. (Previously Presented) The apparatus according to claim 35, wherein said applicator is a jetting device and wherein said applicator and said jetting device for jetting of additional viscous medium is a single jetting device.

38. (Original) The apparatus according to claim 32, wherein said applicator is a screen printer.

39. (Original) The apparatus according to claim 32, wherein said applicator is a contact dispenser.

40-57 (Canceled)

58. (Previously Presented) The apparatus according to claim 20, wherein said correction means corrects at least some of said errors prior to hardening of the viscous medium.

59. (Previously Presented) The apparatus according to claim 32, wherein said correction device corrects at least some of said errors prior to hardening of the viscous medium.

60. (Previously Presented) The apparatus according to claim 20, wherein said correction means corrects at least some of said errors prior to mounting of components on the substrate.

61. (Previously Presented) The apparatus according to claim 32, wherein said correction device corrects at least some of said errors prior to mounting of components on the substrate.

62. (Previously Presented) An apparatus for providing a substrate with viscous medium, comprising:

application means for applying the viscous medium onto the substrate;
inspection means for inspecting the results of said application;
processing means for determining application errors based on said inspection, estimating the time required for performing corrective action for each of the determined errors and calculating the overall time required for corrective action of all determined errors; and
correction means for correcting at least some of said errors.

63. (Previously Presented) The apparatus according to claim 62, wherein the processing means comprises evaluating means for evaluating each of the determined errors and deciding to what extent the determined errors shall be corrected.

64. (Previously Presented) The apparatus according to claim 62 or 63, wherein said correction means comprises jetting means for jetting of additional viscous medium onto the substrate and/or removing means for removing surplus viscous medium from the substrate.

65. (Previously Presented) The apparatus according to claim 62, wherein said application means is a jetting means.

66. (Previously Presented) The apparatus according to claim 64, wherein said application means is a jetting means and wherein said application means and said jetting means for jetting of additional viscous medium is the same jetting means.

67. (Previously Presented) The apparatus according to claim 62, wherein said application means is a screen printing means.

68. (Previously Presented) The apparatus according to claim 62, wherein said application means is a contact dispensing means.

69. (Previously Presented) An apparatus for providing a substrate with viscous medium, comprising:

an applicator, said applicator applying the viscous medium onto the substrate;
an inspection device, said inspection device inspecting the results of said application;
a processor, said processor determining application errors based on said inspection, estimating the time required for performing corrective action for each of the determined errors and calculating the overall time required for corrective action of all determined errors; and

a correction device, said correction device correcting at least some of said errors.

70. (Previously Presented) The apparatus according to claim 69, wherein the processor is arranged for evaluating each of the determined errors and deciding to what extent the determined errors shall be corrected.

71. (Previously Presented) The apparatus according to claim 69, wherein said correction device comprises a jetting device for jetting of additional viscous medium onto the substrate.

72. (Previously Presented) The apparatus according to claim 69 or 70, wherein said correction device comprises a removing device for removing surplus viscous medium from the substrate.

73. (Previously Presented) The apparatus according to claim 69, wherein said applicator is a jetting device.

74. (Previously Presented) The apparatus according to claim 72, wherein said applicator is a jetting device and wherein said applicator and said jetting device for jetting of additional viscous medium is a single jetting device.

75. (Previously Presented) The apparatus according to claim 69, wherein said applicator is a screen printer.

76. (Previously Presented) The apparatus according to claim 69, wherein said applicator is a contact dispenser.

77. (Previously Presented) The apparatus according to claim 62, wherein said correction means corrects at least some of said errors prior to hardening of the viscous medium.

78. (Previously Presented) The apparatus according to claim 69, wherein said correction device corrects at least some of said errors prior to hardening of the viscous medium.

79. (Previously Presented) The apparatus according to claim 62, wherein said correction means corrects at least some of said errors prior to mounting of components on the substrate.

80. (Previously Presented) The apparatus according to claim 69, wherein said correction device corrects at least some of said errors prior to mounting of components on the substrate.

81. (New) The apparatus according to claim 20, wherein the processing means compares the overall time required for corrective action with a predetermined threshold and determines whether to correct the determined errors or discard the substrate.

82. (New) The apparatus according to claim 32, wherein the processor compares the overall time required for corrective action with a predetermined threshold and determines whether to correct the determined errors or discard the substrate.

83. (New) The apparatus according to claim 62, wherein the processing means compares the overall time required for corrective action with a predetermined threshold and determines whether to correct the determined errors or discard the substrate.

84. (New) The apparatus according to claim 69, wherein the processor compares the overall time required for corrective action with a predetermined threshold and determines whether to correct the determined errors or discard the substrate.